Focus Area 4

Crosscutting Research

Eric Schwegler (LLNL), Lead
Yoshiko Fujita (INL), Deputy

Enabling Science

E. Schwegler, LLNL

- Advanced Search for High-Performance Materials (AS4HPM); *A. Perron, LLNL* (4.1.11)
- Machine Learning Materials Design; *F. Zhou, LLNL* (4.1.12)
- Accelerated Alloy Development & Rapid Assessment; *R. Ott, Ames* (4.1.13)
- Predicting Magnetic Anisotropy, *D. Paudyal, Ames* (4.1.14)
- Modeling of Intrinsic and Extrinsic Properties of Magnets; *V. Antropov, Ames* (4.1.15)
- Cross-Cutting Thermodynamic Properties of Critical Materials; *R. Riman, Rutgers* (4.1.16)

Environmental Sustainability

Y. Fujita, INL

- Biogeochemical Impacts of Wastes from Critical Materials Recovery; *Y. Fujita, INL* (4.2.11)

Supply Chain & Economic Analysis

R. Eggert, Mines

- Roadmaps for Technology Development; *J. Collins, INL* (4.3.11)
- Impact of Research on Global Material Supply Chains; *R. Nguyen, INL* (4.3.12)
- Optimizing the Economic Performance of CMI Technologies; *J. Sutherland, Purdue* (4.3.13)
- Criticality, Life Cycles, Material Flows and Scenarios; *R. Eggert, Mines* (4.3.14)

For the most current list of CMI invention disclosures, see https://cmi.ameslab.gov/research/cmi-invention-disclosures
CMI developed unique facilities to speed research success, see https://cmi.ameslab.gov/research/unique-facilities/overview